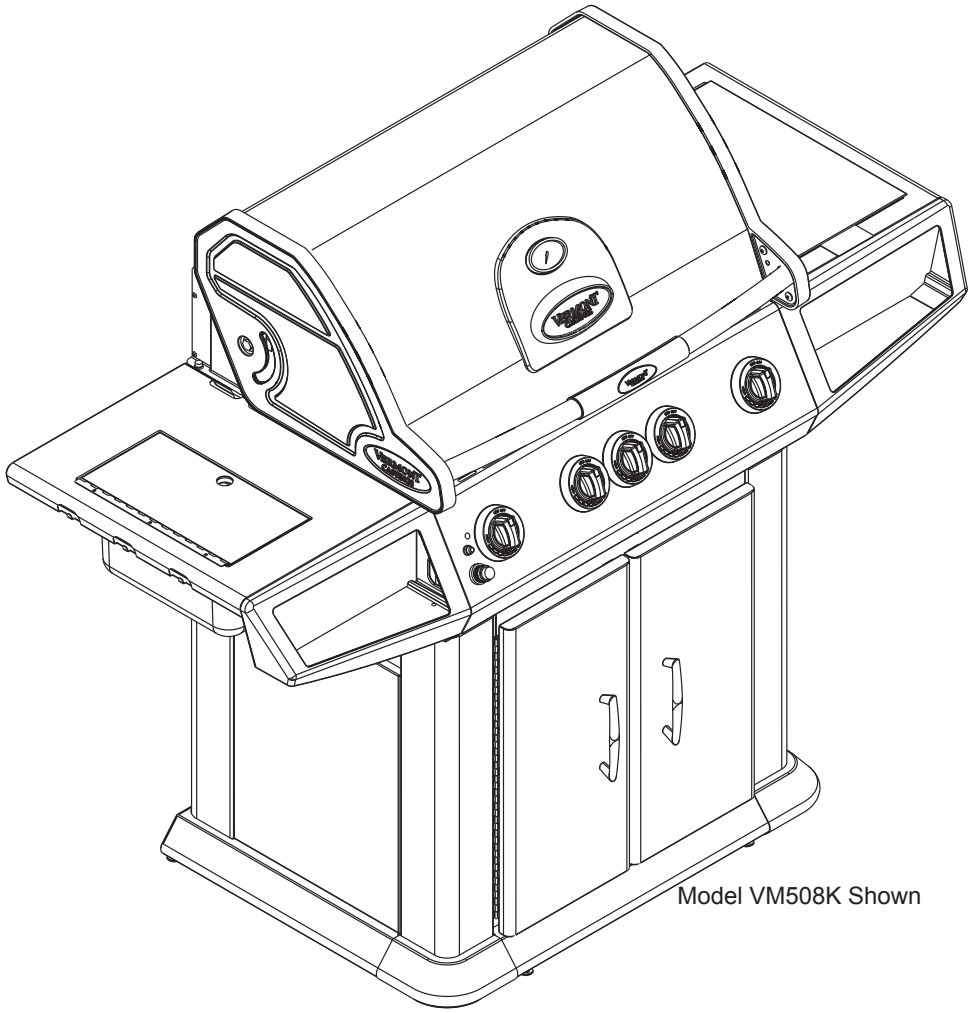
VM508K / VM658K Assembly Procedures

Knock Down Models

Tools Required: Knife or scissors, Phillips or Robertson (square head) screwdriver, 7/16” and 3/8” wrench or ratchet. The use of a manual screwdriver is strongly recommended. A power drill may cause damage to the unit or stripping of the protective coating.



Model VM508K Shown

CAUTION: This grill is intended ONLY to be used as a cart model, this grill cannot be built into an enclosure.

CAUTION: The assembly of this grill requires two (2) people.

WARNING: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended. Protective eyewear and long sleeves are also strongly recommended.

NOTE: Remove the protective plastic coating from the stainless steel, failure to do so will void the warranty.

50004825 1/08 Rev. 4 En

NO NEED TO RETURN TO THE STORE
Questions With The Assembly?
Require Parts Information?
Product Under Manufacturer's Warranty?

PAS BESOIN DE RETOURNER AU MAGASIN
Des questions sur l'assemblage?
De l'information sur les pièces?
Le produit est-il garanti par le fabricant?

NO ES NECESARIO QUE REGRESE A LA TIENDA
¿Tiene alguna pregunta sobre el ensamble?
¿Necesita información sobre las partes?
¿El producto tiene garantía del fabricante?

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TO HELP US HELP YOU

Fill In The Information Below:

Retain This Owner's Manual And Proof Of Purchase For Future Reference

POUR NOUS AIDER À VOUS AIDER

Veuillez remplir les données suivantes :

Conservez ce Manuel du propriétaire et preuve d'achat pour consultation ultérieure

PARA AYUDARNOS A AYUDARLE

Complete la siguiente información:

Guarde este Manual del usuario y Prueba de compra para futuras referencias

Model Number Numéro du modèle Número de modelo	Date of Purchase Date d'achat Fecha de compra	Product Serial No. Numéro de série du produit Número de serie del producto

MODEL NUMBER AND PRODUCT SERIAL NUMBER CAN BE FOUND ON THE CERTIFICATION LABEL OF YOUR GRILL
LE NUMÉRO DU MODÈLE ET LE NUMÉRO DE SÉRIE DU PRODUIT SE TROUVENT SUR L'ÉTIQUETTE DE CERTIFICATION DE VOTRE BARBECUE
EL NÚMERO DE MODELO Y EL NÚMERO DE SERIE DEL PRODUCTO SE ENCUENTRA EN LA ETIQUETA DE CERTIFICACIÓN DE SU BARBACOA

Step 1: Unpack Carton and Verify Contents

Use a sharp cutting tool to cut the straps on the packaging and open the carton top. Remove top layers of reinforced cardboard. Remove four (4) corner posts from main box. **CAUTION:** Heavy cook grates are located: For VM508K - inside front left corner post. For VM658K - inside rear left and rear right corner posts. For both models, the gas line is located inside the front right side corner post. Remove the sleeve and protective plastic coverings. Be careful not to scratch or damage the finish of the metal parts when removing the protective plastic. Refer to parts list for fastener detail. Open grill lid and remove the boxes. Unpack all parts and compare all contents to the parts list and the carton contents list below. Refer to the parts list for fastener detail.

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly is strongly recommended.

VM508K Carton Contents

Condiment Tray Left (1)
Condiment Tray Right (1)

Box 1 (50004673)
Sear Plates (4)

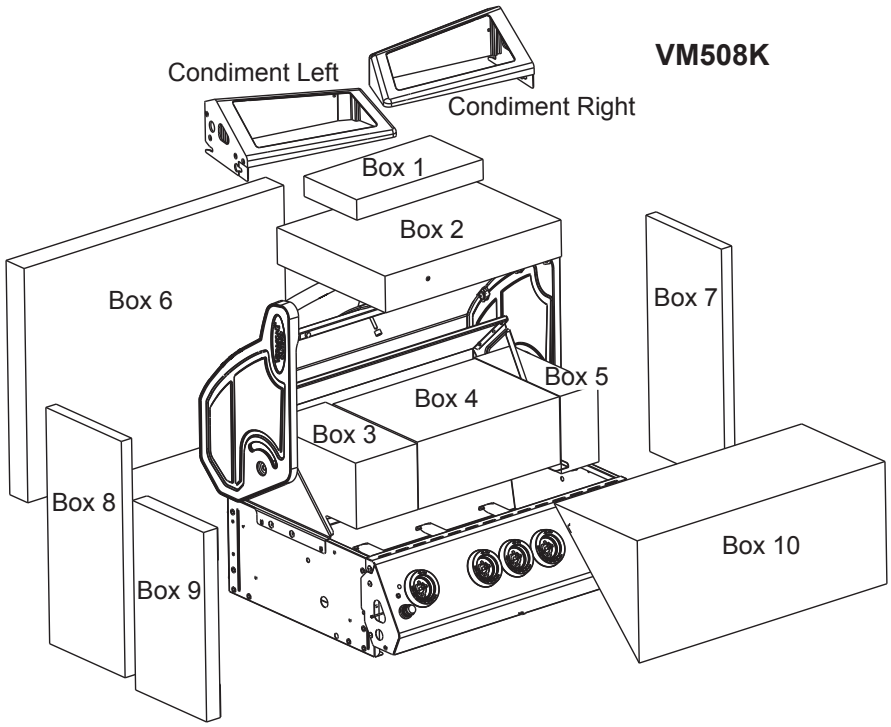
Box 2 (50004862)
Shelf Right (1)
Cover Side Burner (1)
Support Shelf Front Right (1)
Support Shelf Front Left (1)
Support Shelf Rear Right (1)
Support Shelf Rear Left (1)
Heat Shield Marinating Tray (1)
Shelf Left (1)
Cutting Board (1)

Box 3 (50004815)
Marinating Tray (1)
Caster (2)
Caster w/Brake (2)
Grease Cup (1)
Battery Holder (1)
Battery Case (1)
Handle Curved (2)
Hardware Bag (1)
Battery “AA” (1)

Box 4 (50004181)
Side Burner Assy

Box 5 (50004274)
Rotisserie Kit

VM508K



Box 6
(50004852 - LP) (50004854 - NG)
Panel Bottom (1)
Cylinder Retainer (1) (LP Model)
Back Panel (1)
Side Panel (2)
Door Upper Brace (1)
Magnet Snap-in (2)
Brace Support Left (1)
Brace Support Right (1)
Spit Rod (1)

Box 7 (50004869)
Door Assembly Right (1)

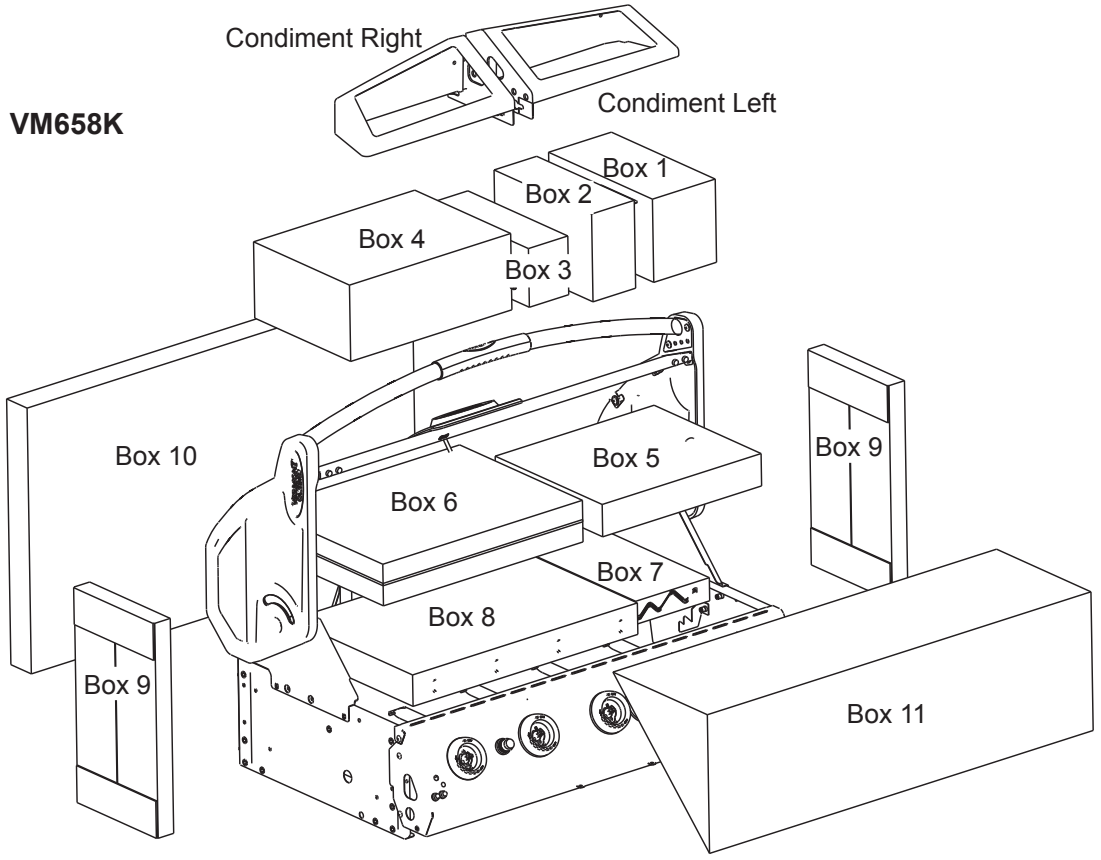
Box 8 (50004860)
Door Assembly Left (!)

Box 9 (50004672)
Cook Grates (3)

Box 10 (50004851)
Corner Post (4)
Cabinet Skirt Front (1)
Cabinet Skirt Left (1)
Cabinet Skirt Right (1)
Cabinet Skirt Corner (2)
Adjustable Leveling Glide (4)
Grease Tray (1)
Grease Cup Holder (1)
Warming Rack (1)
Knobs (5)

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 1: Unpack Carton and Verify Contents (continued)



VM658K Carton Contents

Condiment Tray Right (1)
Condiment Tray Left (1)

Box 1 (50004815)
Marinating Tray (1)
Caster (2)
Caster w/Brake (2)
Grease Cup (1)
Battery Holder (1)
Battery Case (1)
Handle Curved (2)
Hardware Bag (1)
Battery “AA” (1)

Box 2 (50004274)
Rotisserie Kit

Box 3 (50003669)
Shelf Light Kit

Box 4 (50004181)
Side Burner Assembly

Box 5 (LP Model) (50004650)
Pull Out Tank Kit

Box 6 (50004794)
Shelf Right (1)
Cover Side Burner (1)
Support Shelf Front Right (1)
Support Shelf Front Left (1)
Support Shelf Rear Right (1)
Support Shelf Rear Left (1)
Heat Shield Marinating Tray (1)
Shelf Left (1)
Cutting Board (1)

Box 7 (50004792)
Sear Plates (5)

Box 8 (50004763)
Door Assembly (2)

Box 9 (2) (50004657)
Cook Grates (2)

Box 10
(50004802 - LP) (50004881 - NG)
Panel Bottom (1)
Internal Shelf (1)
Hardware - Internal Shelf (1)
Back Panel (1)
Side Panel (2)
Door Upper Brace (1)
Magnet Snap-in (2)
Brace Support Left (1)
Brace Support Right (1)
Spit Rod (1)

Box 11 (50004796)
Corner Post (4)
Cabinet Skirt Front (1)
Cabinet Skirt Left (1)
Cabinet Skirt Right (1)
Cabinet Skirt Corner (2)
Adjustable Leveling Glide (4)
Grease Tray (1)
Grease Cup Holder (1)
Warming Rack (1)
Knobs (6)

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 2: Attach Casters to Bottom Panel

Parts Required:

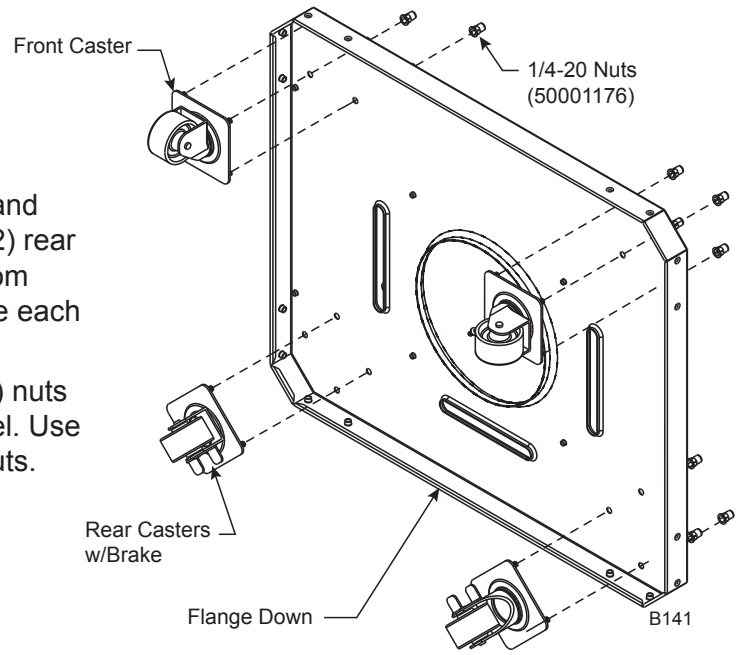
(1) Bottom Panel
(2) Front Casters
(2) Rear Casters (w/Brake)
(16) 1/4-20 Nuts (50001176)

Figure 1

Use top layer cardboard to protect floor and parts from being scratched. Attach two (2) rear casters (w/brake) to the back of the bottom panel. (Fig. 5) Use four (4) nuts to secure each caster to the bottom panel.

Attach two (2) front casters using four (4) nuts to secure each caster to the bottom panel. Use a 7/16” wrench or ratchet to tighten all nuts.

Figure 1



Step 3: Attach Four Metal Corner Posts to the Bottom Panel

Parts Required:

(4) Corner Posts
(16) 1/4-20 x 5/8” Bolts (50000181)

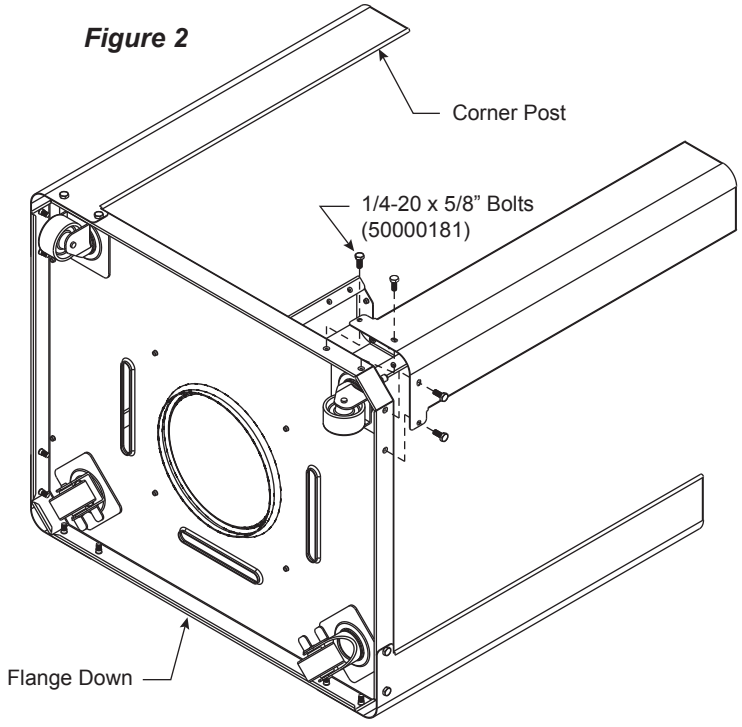
NOTE: Remove protective layer from corner posts.

Figure 2

Loosely attach each corner post to the corner of the bottom panel using four (4) bolts each.

NOTE: Do not tighten all bolts at this point.

Figure 2



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 4: Attach Brace Support to Metal Corner Post

Parts Required:

(1) Brace Support Left
(1) Brace Support Right
(8) #10-24 x 3/8” Screws (50004268)

Figure 3

Attach brace support left to the top of the metal corner post.

Attach brace support right to the top of the metal corner post.

NOTE: Be sure to attach the brace supports to the correct side. Refer to Figure 3.

NOTE: Do not tighten all screws at this point.

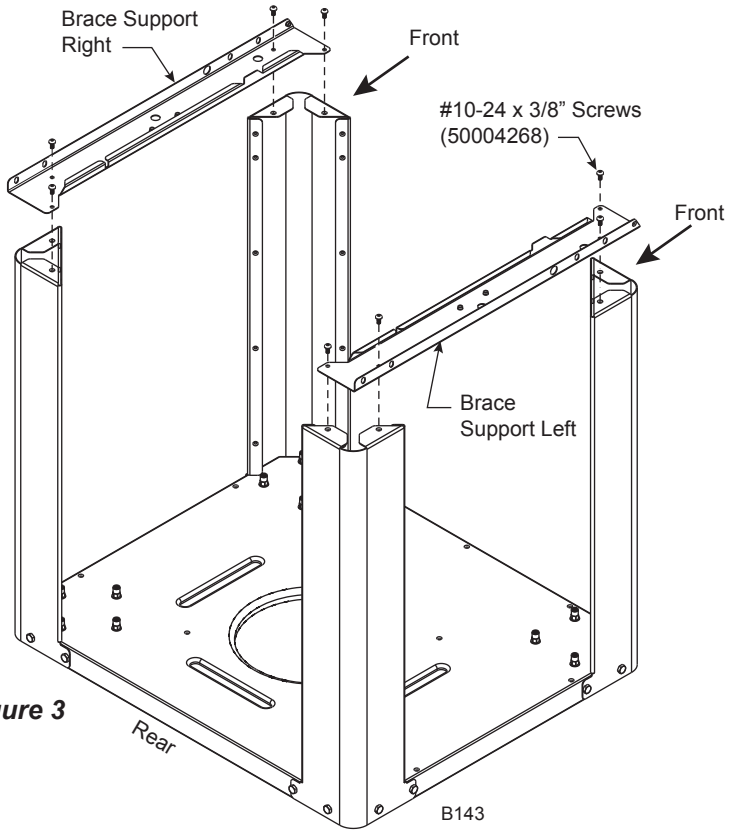


Figure 3

Step 5: Attach Door Upper Brace to the Front of the Unit

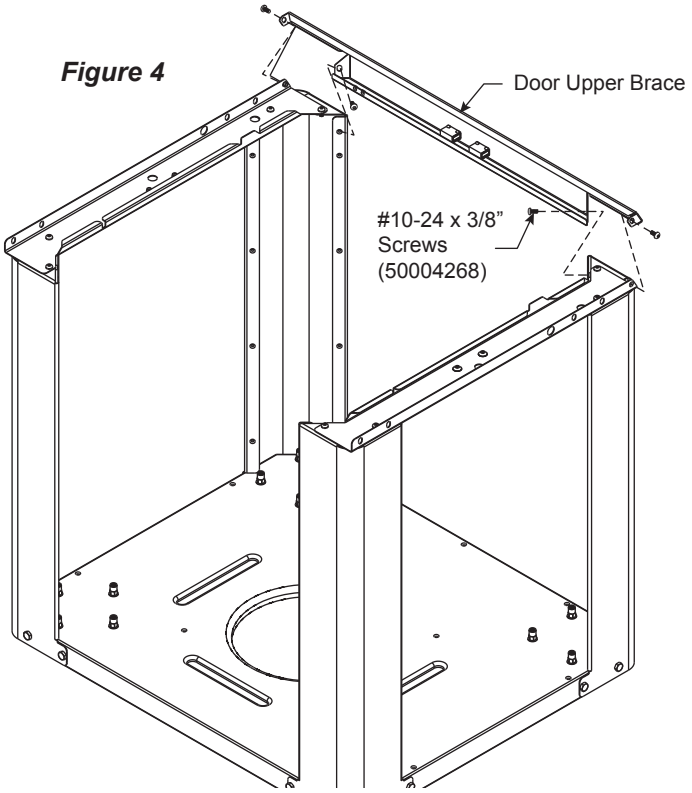


Figure 4

Parts Required:

(1) Door Upper Brace
(w/ two (2) magnets already attached)
(4) #10-24 x 3/8” Screws (50004268)

NOTE: Remove protective layer from door upper brace.

Figure 4

Attach brace fascia to the front of the unit. Make sure the brace fascia and front of the metal corner posts are flush.

NOTE: Do not tighten all screws at this point.

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 6: Attach Back Panel & Tank Support

Parts Required:

(1) Back Panel
(4) #10-24 x 3/8” Screws (50004268)
(1) Tank Retainer (LP Model) (VM508K Model)
(1) 1½” OD Bushing (NG Model)
(1) Pull Out Tank (LP Model) (VM658K Model)

Figure 5

Attach back panel to the back of the unit using four (4) #10-24 x 3/8” screws.

NOTE: For VM508K LP models, attach tank retainer. For VM658K LP models attach pull out tank assembly. (Follow Pull Out Tank assembly instrucitons) For all NG models, attach 1½” OD bushing.

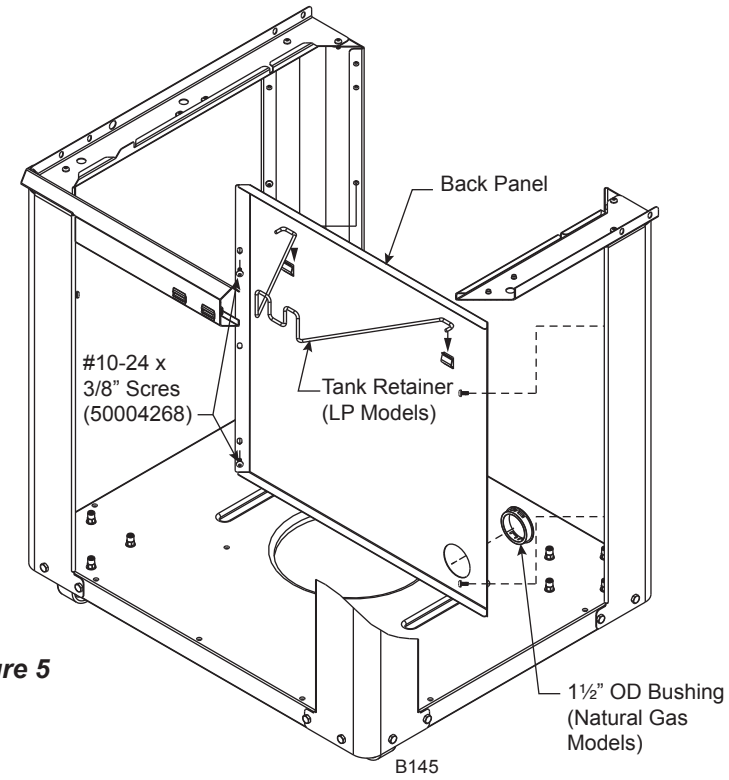


Figure 5

Step 7: Attach Door Assembly and Door Handle

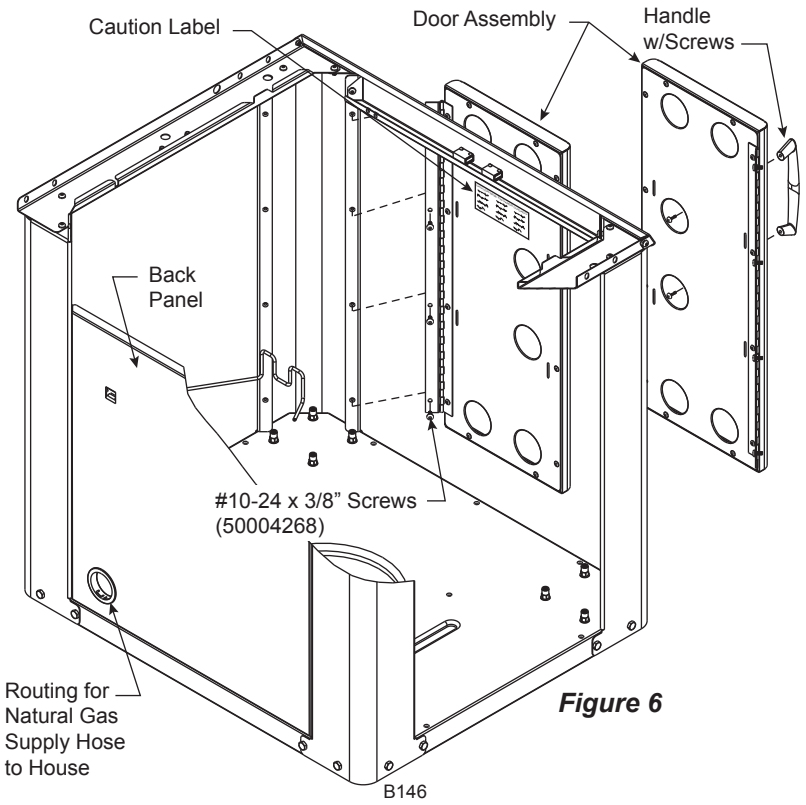


Figure 6

Parts Required:

(2) Door Assemblies
(2) Door Handles (w/ Mounting Screws)
(8) #10-24 x 3/8” Screws (50004268)

Figure 6

Attach one (1) door handle to each door assembly using two (2) screws provided with the handle.

NOTE: Door with caution label - right side.

Attach door assembly with door handle to the front left and front right cabinet corner posts.

Make sure the unit is on a level surface.

Align top and bottom of the doors.

NOTE: Fully tighten all bolts and screws from Steps 3 through 7.

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 8: Attach Grease Cup Holder

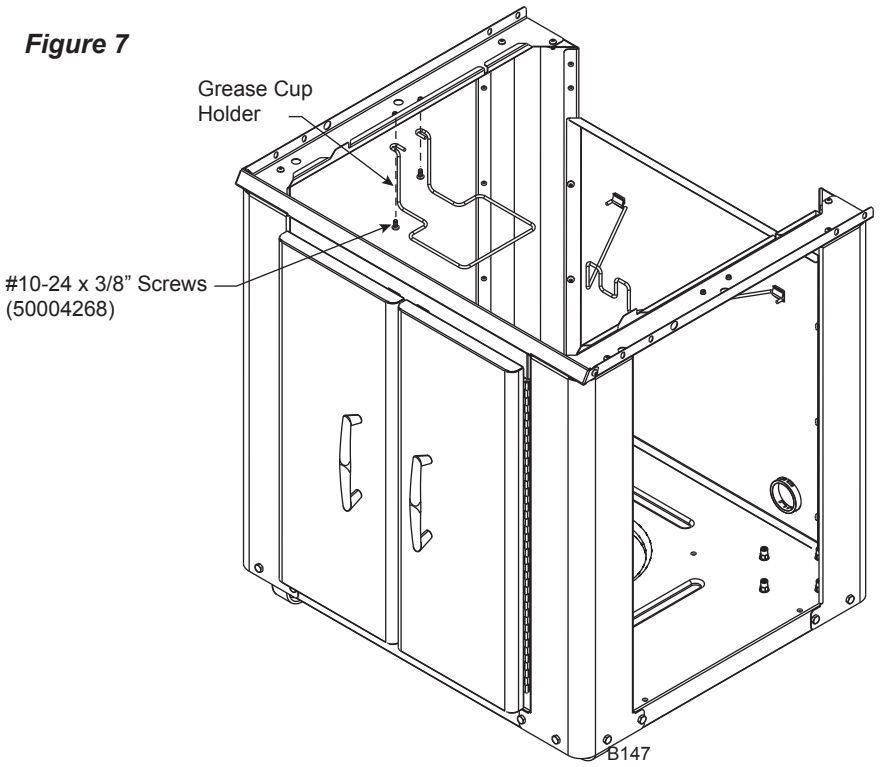
Parts Required:

(1) Grease Cup Holder
(2) #10-24 x 3/8” Screws (50004268)

Figure 7

Attach grease cup holder to the bottom of the left brace support.

Figure 7



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 9: Attach Skirt

Parts Required:

(1) Skirt Left Assembly
(1) Skirt Right Assembly
(1) Skirt Front Assembly
(2) Skirt Corner Assemblies
(7) #10-24 x 3/8” Screws (50004268)
(4) Adjustable Leveling Glide

Figures 8 & 9

Screw-in two (2) adjustable leveling glides into hex threaded insert provided in front skirt assembly.

Screw-in one (1) adjustable leveling glide into hex threaded insert provided in left and right skirt assemblies.

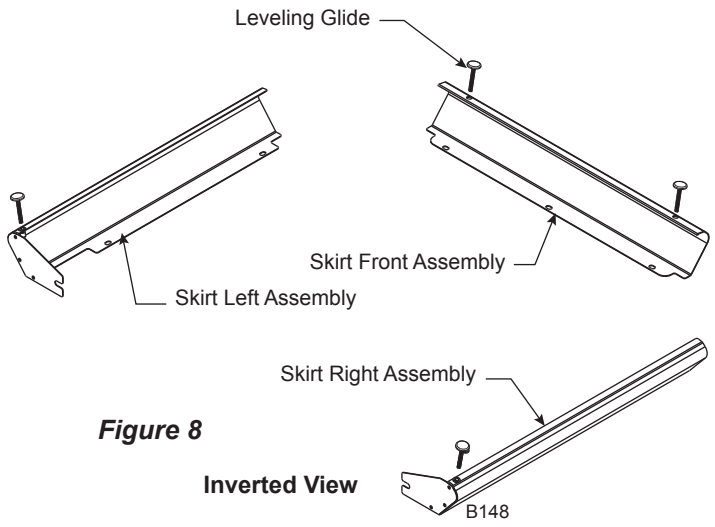


Figure 8

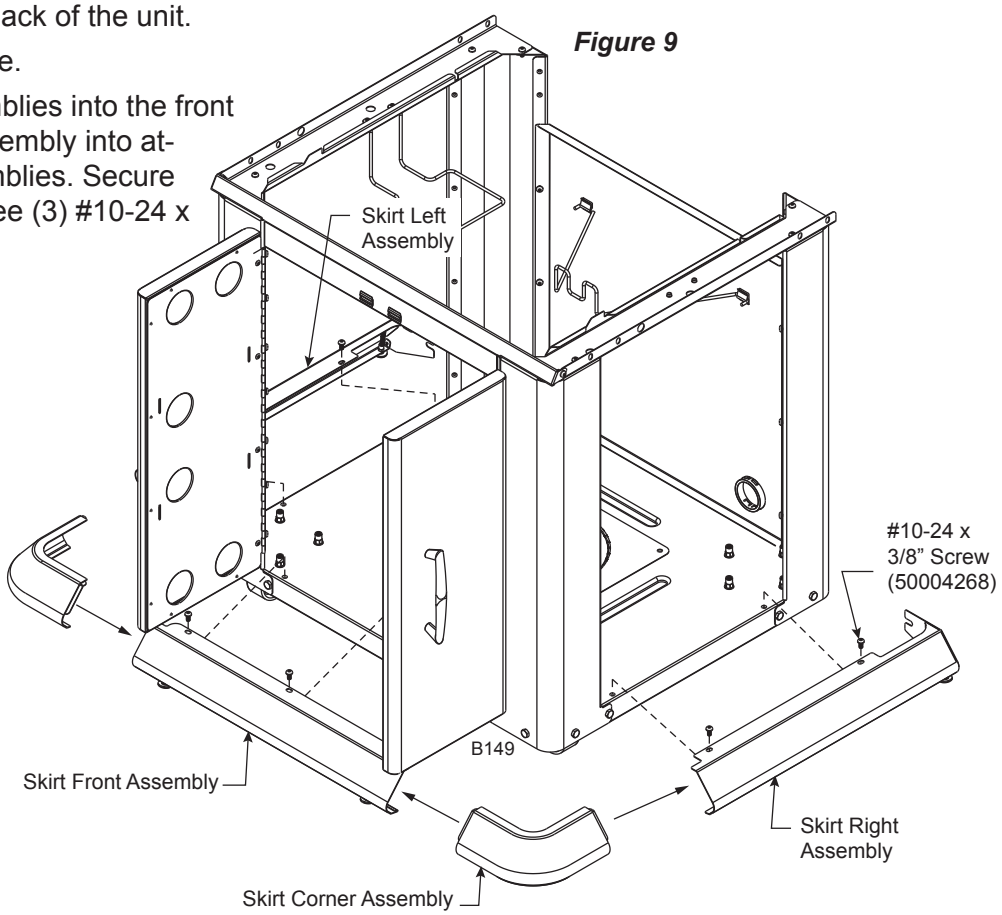
Attach left skirt assembly to the unit:

– Loosen one hex bolt from corner post. (Refer to Corner Post Detail)
– Place left skirt assembly on the top of the bottom panel,
– Secure left skirt assembly with two (2) #10-24 x 3/8” screws.
– Tighten hex bolt at the back of the unit.

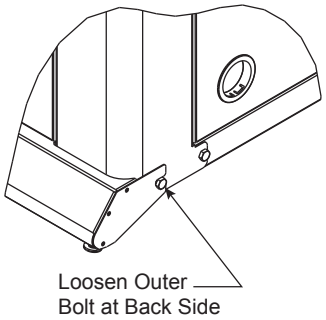
Repeat these steps for right side.

Slide two (2) skirt corner assemblies into the front skirt assembly. Slide above assembly into attached left and right skirt assemblies. Secure all skirt assembly parts with three (3) #10-24 x 3/8” screws.

Figure 9



Corner Post Detail



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 10: Attach Side Panels

Parts Required:

(2) Side Panels
(8) #10-24 x 3/8” Screws (50004268)

NOTE: Remove protective layer from side panels.

Figure 10

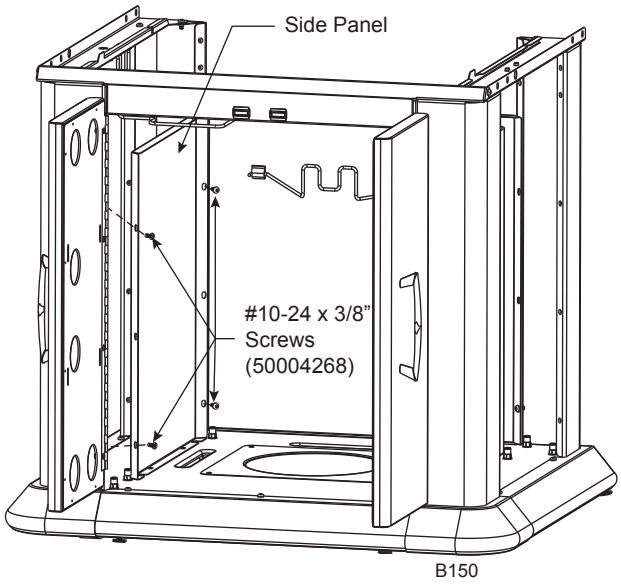
Place side panel, with cutout at bottom, against two (2) corner posts.

Secure side panel using four (4) screws.

Repeat for opposite side.

Make sure the two (2) openings (cut-outs) are at the bottom.

Figure 10



Step 11: Attach Grease Catching Components

Parts Required:

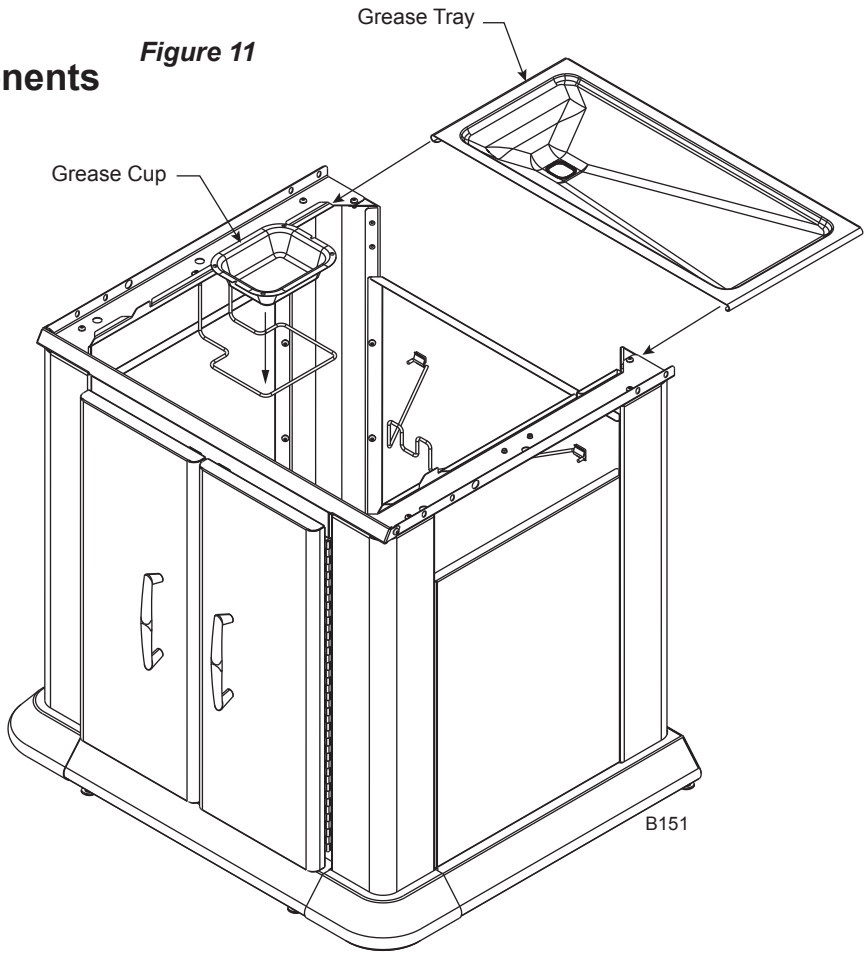
(1) Grease Cup
(1) Grease Tray

Figure 11

Place grease cup into provided grease cup holder.

Place grease tray into provided channels and slide above grease cup until grease tray locks into grooves inside left and right brace.

Figure 11



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 12: Attach Grill to Cabinet Assembly

CAUTION: This step requires a minimum of 2 people.

Parts Required:

(8) 1/4-20 x 1/2” Screws (50000913)

Figure 12

Tilt the grill to move gas line from underneath main console.

Lift grill above cabinet assembly.

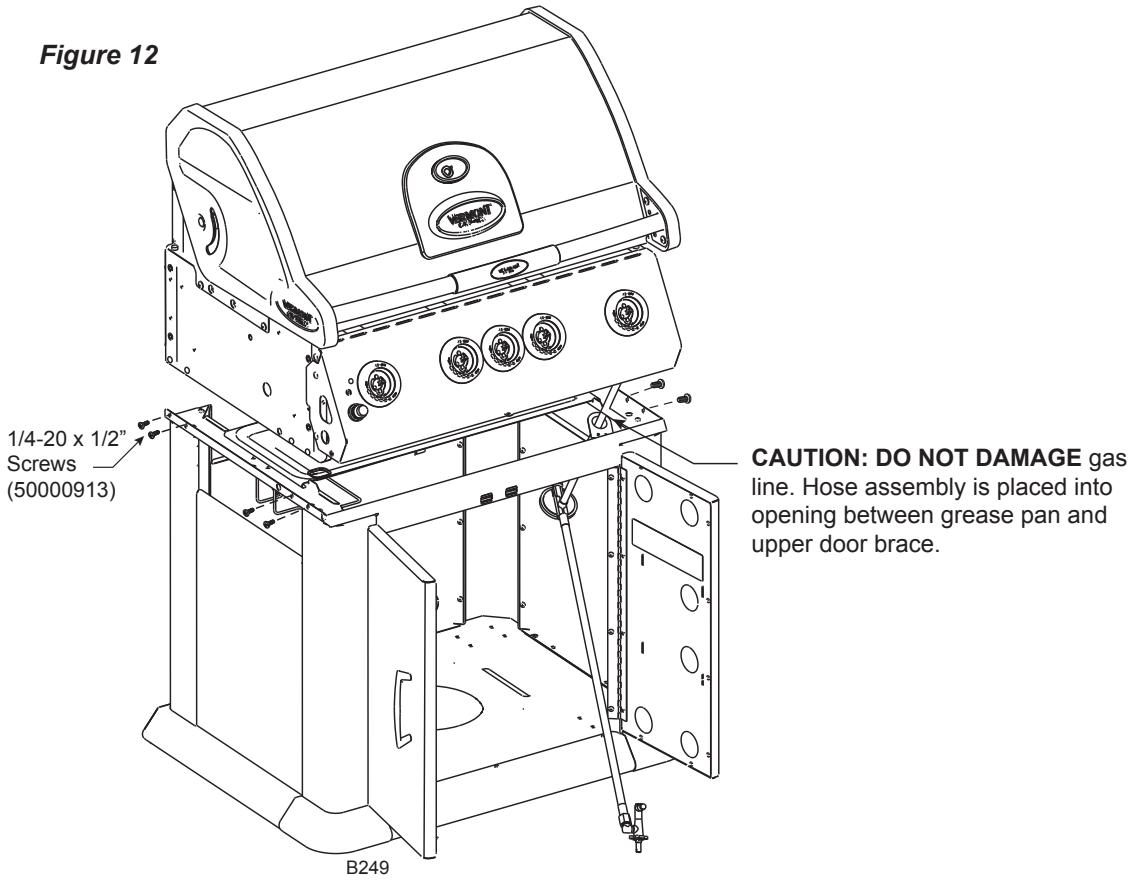
Locate gas line inside cabinet assembly, between door fascia and grease tray.

Place grill on cabinet assembly. **CAUTION:** Do not damage gas line.

Align threaded nuts with slots.

Secure grill to cabinet with four (4) screws per side.

Figure 12


1/4-20 x 1/2”
Screws
(50000913)
CAUTION: DO NOT DAMAGE gas line. Hose assembly is placed into opening between grease pan and upper door brace.
B249

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 13a: Secure Hose to Upper Door Brace (Model VM508K)

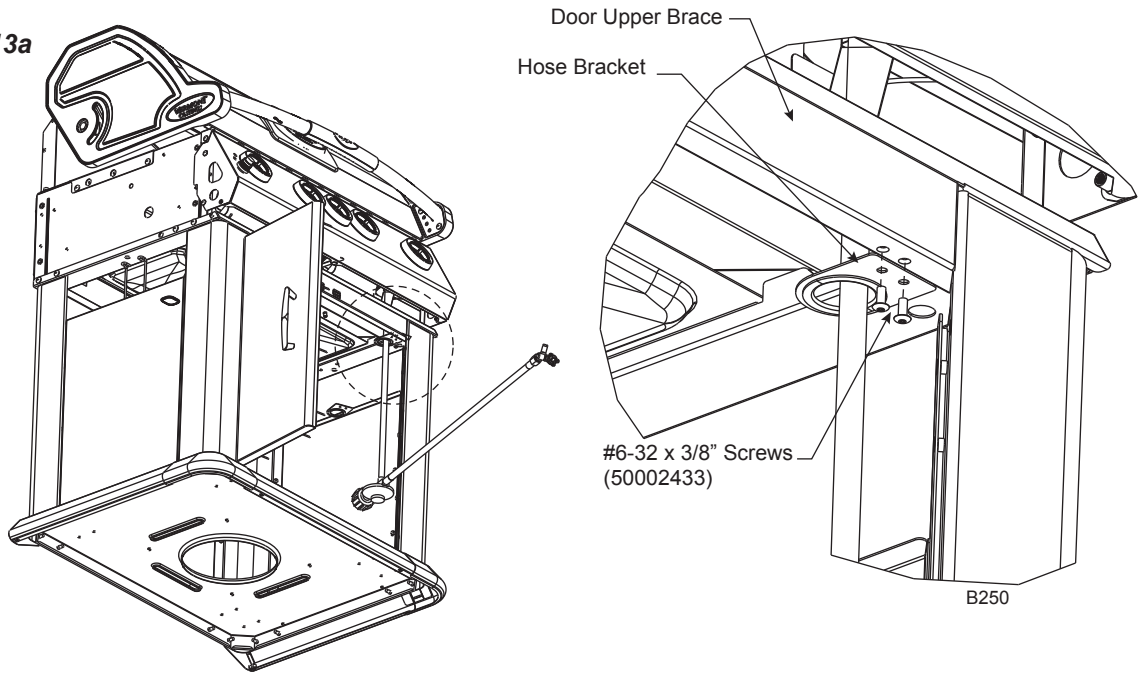
Parts Required:

(1) Hose Bracket
(2) #6-32 x 3/8” Screws (50002433)

Figure 13a

Attach hose bracket to the door upper brace with two (2) #6-32 x 3/8” screws.

Figure 13a



Step 13b: Secure Hose to the Cabinet

Figure 13b

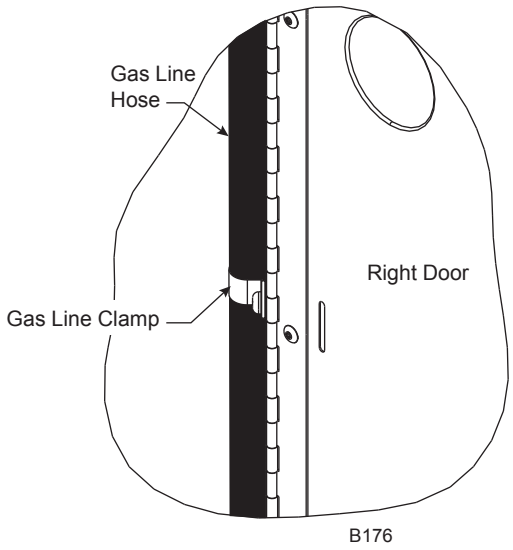
Remove second screw from top. (Screws which were attached in Step 7) (right door) (Fig. 13)

Place clamp on the hose.

Re-attach removed screw.

Figure 13

Gas Line Clamp Detail



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Steps 14 & 15: Right & Left Side Shelf Assembly

Parts Required:

Right Side Shelf	Left Side Shelf
(1) Right Side Shelf	(1) Left Side Shelf
(1) Support Shelf Rear Right	(1) Support Shelf Rear Left
(1) Support Shelf Front Right	(1) Support Shelf Front Left
(1) Condiment Tray Right	(1) Condiment Tray Left
(2) U-Type Fastener (50001507)	(2) U-Type Fastener (50001507)
(2) #10-24 x 1/2” Screws (50000337)	(2) #10-24 x 1/2” Screws (50000337)
(4) #6-32 x 3/8” Screws (50002433)	(4) #6-32 x 3/8” Screws (50002433)

NOTE: Remove protective layer from left and right shelf.

Figure 14

Right Side Shelf

Insert a U-type fastener to each support shelf.

Place right side shelf on flat surface edges up.

Slide left and right support inside right side shelf. Ensure the flange of the support is to the inside of the right side shelf.

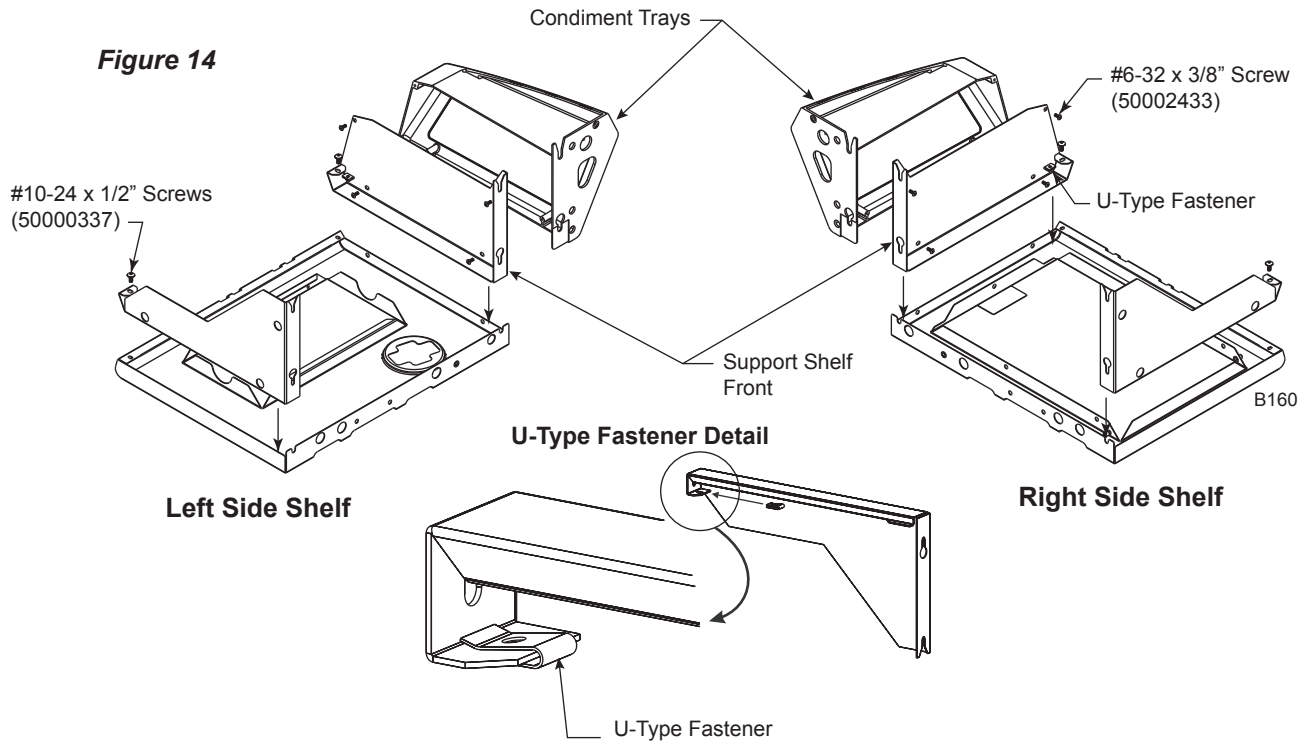
Place condiment tray at the front of the shelf.

Secure condiment tray to the support shelf with four (4) #6-32 screws.

Loosely attach two (2) #10-24 x 1/2” screws to the U-type fasteners.

Repeat steps for left side shelf.

Figure 14



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 16: Attach Right Shelf Assembly to Grill

Parts Required:

Right Shelf Assembly

(1) Right Shelf Assy. (Step 5)
(4) 1/4-20 x 1½" Screws (50001383)
(2) #10-24 x 1/2" Screws (50000337)

Figures 15 & 16

Loosely screw in (4-5 turns) four (4) 1/4-20 x 1½" screws to the side of the grill.

NOTE: Ensure the side burner ignitor wire is not pinched as the shelf assembly is installed into the unit.

Place right shelf assembly onto screws.

Secure (tighten) four (4) screws to the grill.

Secure condiment tray to the console with two (2) #10-24 x 1/2" screws.

Tighten two (2) remaining screws. (from Steps 14 and 15)

From inside grill, attach 10-24 x 1/2" screw to the right shelf assy.

Figure 15

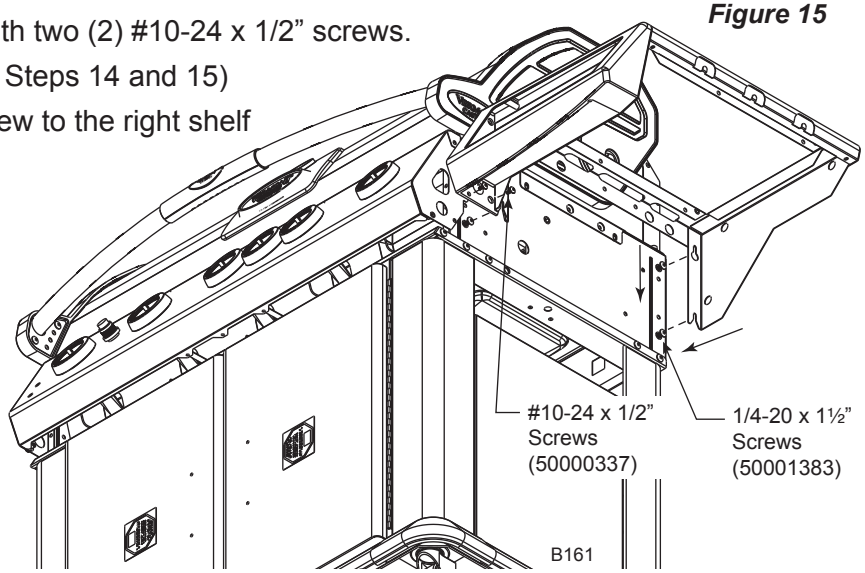
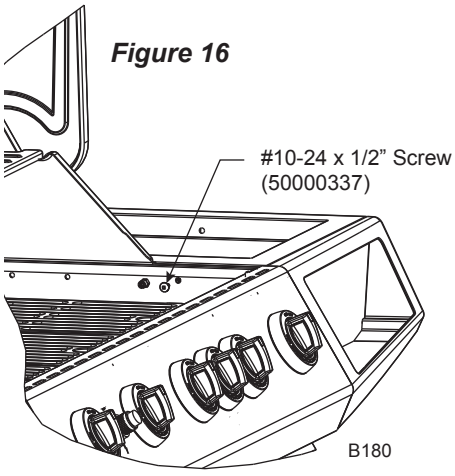


Figure 16



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 17: Attach Left Shelf Assembly to Grill

Parts Required:

Left Shelf Assembly

(1) Left Shelf Assy. (Step 6)
(4) 1/4-20 x 1½" Screws (50001383)
(4) #10-24 x 1/2" Screws (50000337)
(1) Marinating Station Tray Plastic
(1) Heat Shield Marinating Tray
(2) #10-24 K-lock Nut (50000182)

Refer to Figures 15 & 16 for shelf assembly attachment

Refer to Figures 17 & 18 for heat shield and marinating station installation

Loosely screw in (4-5 turns) four (4) 1/4-20 x 1½" screws to the side of the grill.

Place left shelf assembly onto screws.

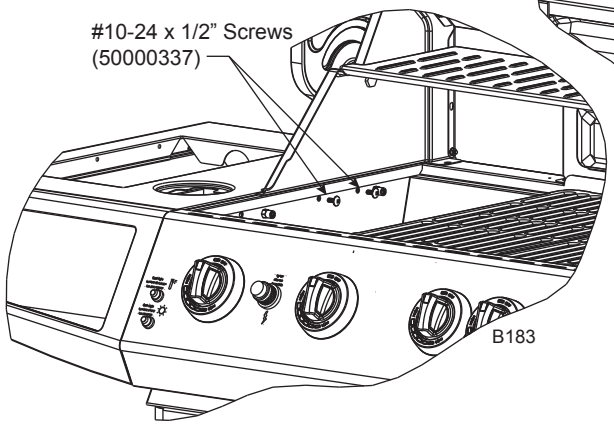
Secure (tighten) four (4) screws to the grill.

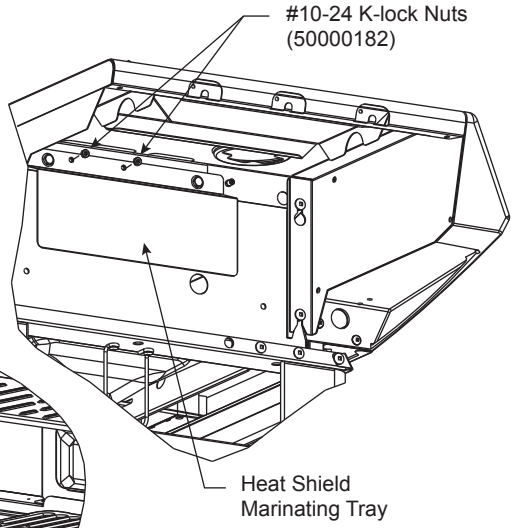
Secure condiment tray to the console with two (2) #10-24 x 1/2" screws.

Tighten two (2) remaining screws. (from Step 15 and 16)

From inside grill, attach 10-24 x 1/2" screw to the left shelf assy.

Figure 17





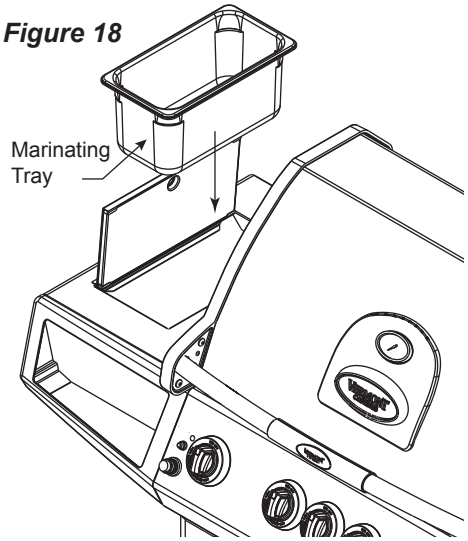
Attach heat shield marinating tray to left side of grill. Insert two (2) #10-24 x 1/2" screws through grill side and secure with two (2) #10-24 K-lock nuts. (Fig. 17)

Insert marinating station tray plastic into left side shelf. (Fig. 18)

NOTE: For side shelf opening: if you have any problems opening or closing, loosen the hinge bolts and adjust.

For VM658K, install shelf light according to Electronics Installation Instructions, #50003699.

Figure 18



NOTE: For grill models with a marinating station: Loosen the two (2) bolts and nuts securing the heat shield marinating tray to the grill body. (Fig. 17) Attach the rotisserie motor bracket using the same mounting holes. Secure both the bracket and heat shield using bolts and nuts provided.

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 18: Attach Side Burner Assembly

Follow Side Burner Assembly Instructions to assemble side burner to unit.

Step 19: Attach Knobs (If not installed)

Parts Required:

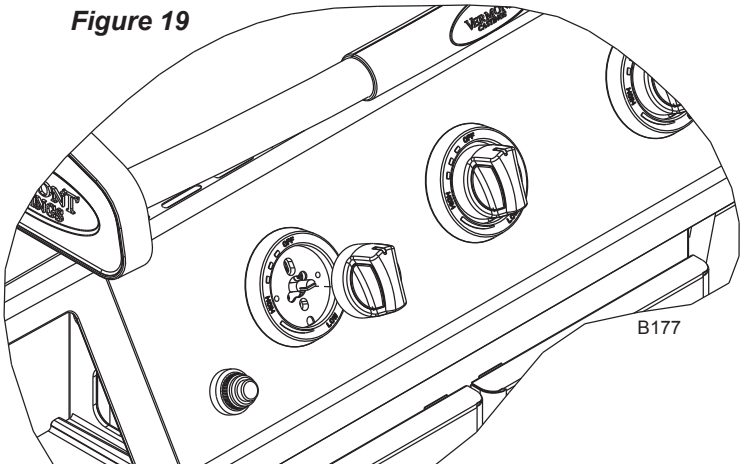
VM508K: (5) Knobs
VM658K: (6) Knobs

Figure 19

NOTE: Depending on your model, your grill may require 5 or 6 knobs. VM508 is equipped with five (5) knobs. VM658 is equipped with six (6) knobs.

Align the knobs on the valve stems and push inward until the knob sits snugly on the stem.

Figure 19



Step 20: Install the Battery

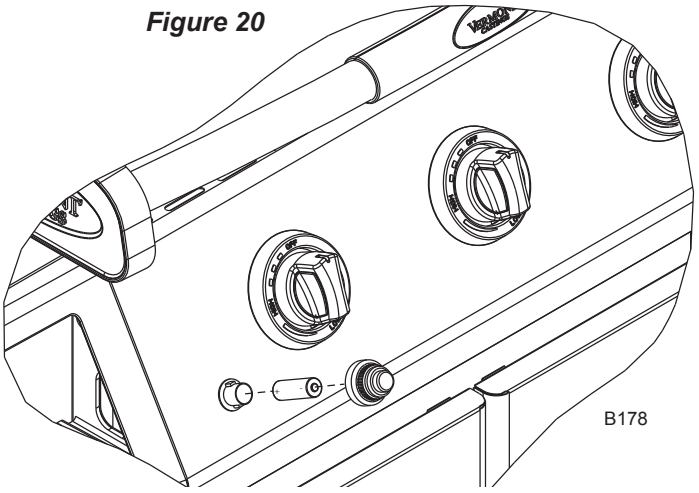
NOTE: Requires one (1) "AA" battery. (supplied)

Figure 20

Unscrew the ignition button from the console and insert the appropriate battery into the housing by placing the positive side of the battery first. Then screw the ignition button back into the console.

Check for sparks under each main burner before proceeding.

Figure 20



Step 21: Install the Backlighting Batteries

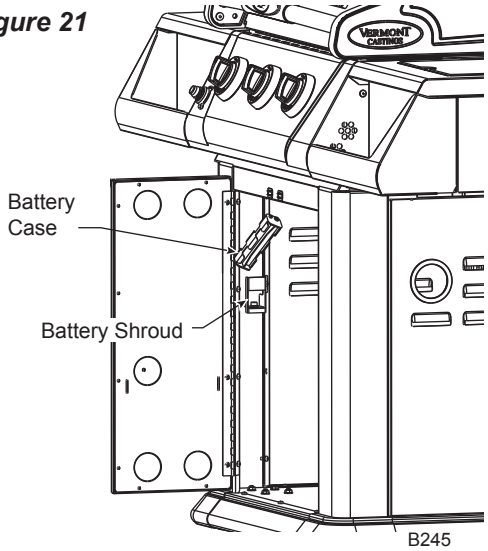
NOTE: Eight (8) "AA" batteries are required for all grill models. (Not included)

Figure 21

Remove the battery case from the battery holder. Insert the eight (8) "AA" batteries. Attach battery case to back light wire connection. Reinstall battery case in battery holder with back light connector on the top.

WARNING: Replacing the battery incorrectly might result in an explosion. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to your local environmental guidelines.

Figure 21



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 22: Install the Internal Components

Parts Required:

VM508K: (4) Sear Plates
(3) Cooking Grates
(1) Warming Rack

VM658K: (5) Sear Plates
(4) Cooking Grates
(1) Warming Rack

Figures 22 & 23

Carefully place each of the sear plates side by side inside the barbecue. Make sure the semicircular finger groove is facing toward the front of the grill. Each sear plate rests just above each burner tube.

Set the cooking grates, side by side, on the upper ledge of the grill tub. Make sure the finger groove is facing toward the front of the grill.

Set the warming rack into the supports located on either side of the rear lid.

NOTE: One side of the grate surface is rounded and more suitable for meats. The other side is flat and more suitable for delicate foods (i.e. fish). The grates can be turned over according to your preference.

CAUTION: Do not attempt to turn the cooking grates over while the grill is in use and the grates are hot. Doing so could result in severe burns and other injuries.

Figure 22

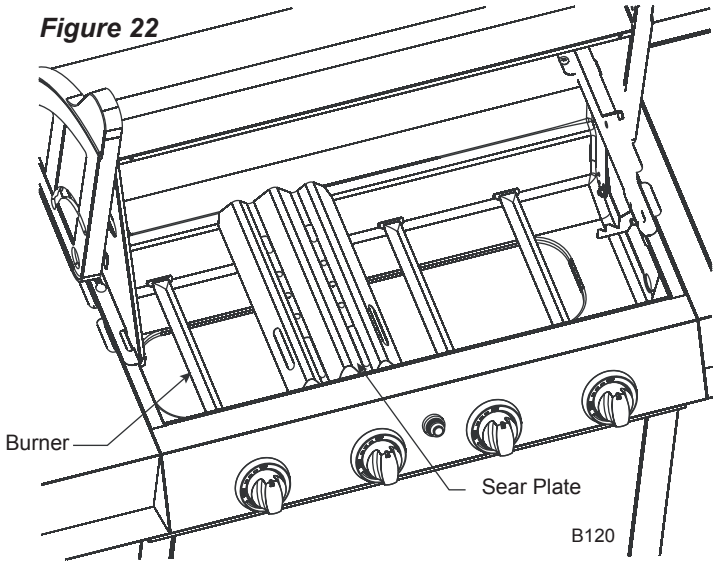
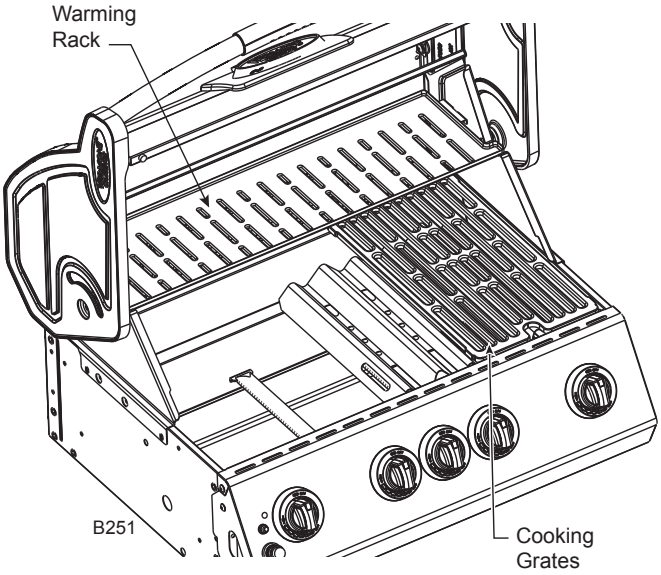


Figure 23



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 23: Interior Shelf Installation

(Model VM658K)

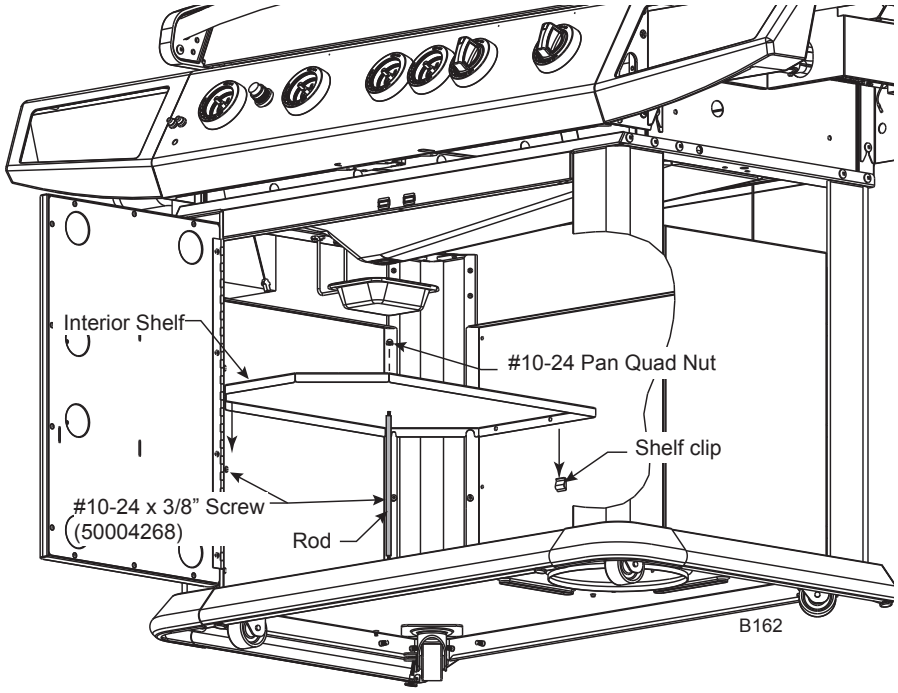
Parts Required:

(2) #10-24 x 3/8” Screws (50004268
(1) Rod
(1) Washer Nylon (50000192)
(1) 10-24 Pan Quad. Nut (10006126)
(1) Interior Shelf

Figure 24

Place two (2) 10-24 x 3/8” screws on the threaded holes located on left side panel. Install the rod in hole in bottom panel. Make sure the connection between the rod and the bottom panel is tight. Place washer nylon on top of rod. Slide interior shelf in place. Back flange edge of shelf slides into clip on back panel. Use 10-24 Pan Quad nut to secure interior shelf to rod.

Figure 24



CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

Step 24: Install the LP Cylinder (LP Models ONLY)

Parts Required:

(1) LP Gas Cylinder (not included)

Figures 25 & 26

NOTE: Check your User's Manual for the cylinder filling requirements, how to attach the regulator and how to test for leaks before you try lighting the grill.

CAUTION: Make sure the hose is not touching any hot or sharp surfaces.

Place the LP Cylinder into the hole in the bottom panel. Next secure it from moving by lifting the cylinder retainer wire and latching the bent edge over the lip of the cylinder. The final step is to connect the regulator to the cylinder.

CAUTION: Do not turn on/ignite the grill until after performing a leak check at all gas connection points and fittings. With the main LP cylinder valve OPEN, and ALL CONTROL KNOBS FULLY OFF, use a spray solution of 50% liquid soap and 50% water onto all gas connection points and fittings. The formation of bubbles indicates an air leak that must be repaired and verified with this leak test before the grill is ignited.

NOTE: Ensure all plastic coatings have been removed from all stainless steel parts before using the grill.

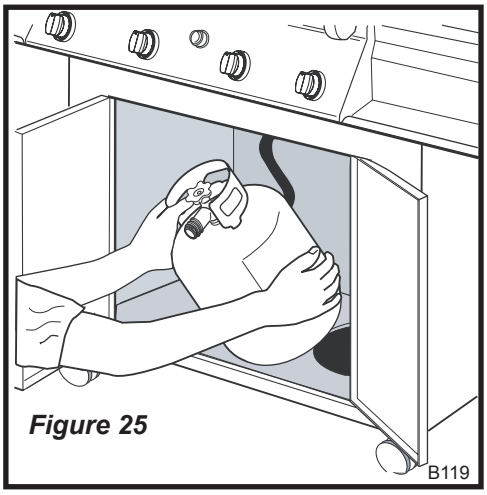


Figure 25

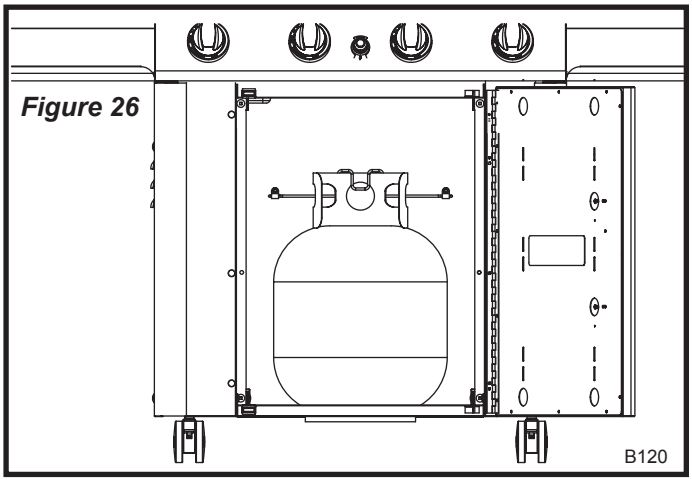


Figure 26

Step 19: Install Natural Gas Supply Line (Natural Gas (NG) Models ONLY)

Figure 27

Run natural gas supply lne through bushing provided in back panel of grill.

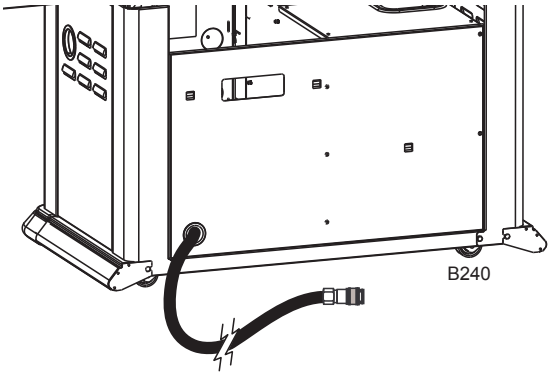


Figure 27

CAUTION: Some parts may have sharp edges; to avoid injury, wearing gloves during assembly, lifting or moving the grill is recommended.

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